

Fitzgerald

1646 RUSH

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/144,502A

DATE: 04/19/1999
TIME: 08:36:41

INPUT SET: S31519.raw

05/19/99
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This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: SMITH, Craig A.
6 GOODWIN, Raymond G.
7 BECKMANN, M. Patricia
8
9 (ii) TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS
10 FACTOR-Á AND - RECEPTORS
11
12 (iii) NUMBER OF SEQUENCES: 4
13
14 (iv) CORRESPONDENCE ADDRESS:
15 (A) ADDRESSEE: IMMUNEX CORPORATION
16 (B) STREET: 51 University Street
17 (C) CITY: Seattle
18 (D) STATE: WASHINGTON
19 (E) COUNTRY: U.S.A.
20 (F) ZIP: 98101
21
22 (v) COMPUTER READABLE FORM:
23 (A) MEDIUM TYPE: Floppy disk
24 (B) COMPUTER: IBM PC compatible
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
27
28 (vi) CURRENT APPLICATION DATA:
29 (A) APPLICATION NUMBER: 09/144,502
30 (B) FILING DATE: 31-AUG-1998
31 (C) CLASSIFICATION:
32
33 (vii) PRIOR APPLICATION DATA:
34 (A) APPLICATION NUMBER: 08/346,555
35 (B) FILING DATE: 29-NOV-1994
36
37 (vii) PRIOR APPLICATION DATA:
38 (A) APPLICATION NUMBER: 07/523,635
39 (B) FILING DATE: 10-MAY-1990
40
41 (vii) PRIOR APPLICATION DATA:
42 (A) APPLICATION NUMBER: 07/421,417
43 (B) FILING DATE: 13-OCT-1989
44
45 (vii) PRIOR APPLICATION DATA:
46 (A) APPLICATION NUMBER: 07/405,370

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47 (B) FILING DATE: 11-SEPT-1989
48
49 (vii) PRIOR APPLICATION DATA:
50 (A) APPLICATION NUMBER: 07/403,241
51 (B) FILING DATE: 05-SEPT-1989
52
53 (viii) ATTORNEY/AGENT INFORMATION:
54 (A) NAME: KIT, Gordon
55 (B) REGISTRATION NUMBER: 30,764
56 (C) REFERENCE/DOCKET NUMBER: A-7210
57
58 (ix) TELECOMMUNICATION INFORMATION:
59 (A) TELEPHONE: (202) 293-7060
60 (B) TELEFAX: (202) 293-7860
61
62
63 (2) INFORMATION FOR SEQ ID NO:1:
64
65 (i) SEQUENCE CHARACTERISTICS:
66 (A) LENGTH: 1641 base pairs
67 (B) TYPE: nucleic acid
68 (C) STRANDEDNESS: single
69 (D) TOPOLOGY: linear
70
71 (ii) MOLECULE TYPE: cDNA to mRNA
72
73 (iii) HYPOTHETICAL: NO
74
75 (iv) ANTI-SENSE: NO
76
77 (vi) ORIGINAL SOURCE:
78 (A) ORGANISM: Homo sapiens
79 (G) CELL TYPE: Fibroblast
80 (H) CELL LINE: WI-26 VA4
81
82 (vii) IMMEDIATE SOURCE:
83 (A) LIBRARY: WI-26 VA4
84 (B) CLONE: 1
85
86 (ix) FEATURE:
87 (A) NAME/KEY: CDS
88 (B) LOCATION: 88..1473
89
90 (ix) FEATURE:
91 (A) NAME/KEY: mat_peptide
92 (B) LOCATION: 154..1470
93
94 (ix) FEATURE:
95 (A) NAME/KEY: sig_peptide
96 (B) LOCATION: 88..153
97
98 (x) PUBLICATION INFORMATION:
99 (A) AUTHORS: Smith, Craig A.

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100	Davis, Terri
101	Anderson, Dirk
102	Solam, Lisabeth
103	Beckmann, M. P.
104	Jerzy, Rita
105	Dower, Steven K.
106	Cosman, David
107	Goodwin, Raymond G.

(B) TITLE: A Receptor for Tumor Necrosis
Factor Defines an Unusual Family
of Cellular and Viral Proteins

(C) JOURNAL: Science

(D) VOLUME: 248

(F) PAGES: 1019-1023

(G) DATE: 25-MAY-1990

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

119	GCGAGGCAGG	CAGCCTGGAG	AGAAGGCGCT	GGGCTGCGAG	GGCGCGAGGG	CGCGAGGGCA	60
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122				Met Ala Pro Val Ala Val Trp Ala			
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125	GCG CTG GCC GTC GGA CTG GAG CTC TGG GCT GCG GCG CAC GCC TTG CCC						159
126	Ala Leu Ala Val Gly Leu Glu Leu Trp Ala Ala Ala His Ala Leu Pro						
127		-10		-5		1	
128							
129	GCC CAG GTG GCA TTT ACA CCC TAC GCC CCG GAG CCC GGG AGC ACA TGC						207
130	Ala Gln Val Ala Phe Thr Pro Tyr Ala Pro Glu Pro Gly Ser Thr Cys						
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133	CGG CTC AGA GAA TAC TAT GAC CAG ACA GCT CAG ATG TGC TGC AGC AAA						255
134	Arg Leu Arg Glu Tyr Tyr Asp Gln Thr Ala Gln Met Cys Cys Ser Lys						
135		20		25		30	
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137	TGC TCG CCG GGC CAA CAT GCA AAA GTC TTC TGT ACC AAG ACC TCG GAC						303
138	Cys Ser Pro Gly Gln His Ala Lys Val Phe Cys Thr Lys Thr Ser Asp						
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140							
141	ACC GTG TGT GAC TCC TGT GAG GAC AGC ACA TAC ACC CAG CTC TGG AAC						351
142	Thr Val Cys Asp Ser Cys Glu Asp Ser Thr Tyr Thr Gln Leu Trp Asn						
143			55			60	65
144							
145	TGG GTT CCC GAG TGC TTG AGC TGT GGC TCC CGC TGT AGC TCT GAC CAG						399
146	Trp Val Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Ser Asp Gln						
147		70		75		80	
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149	GTG GAA ACT CAA GCC TGC ACT CGG GAA CAG AAC CGC ATC TGC ACC TGC						447
150	Val Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys Thr Cys						
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153	AGG CCC GGC TGG TAC TGC GCG CTG AGC AAG CAG GAG GGG TGC CGG CTG	495
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158	Cys Ala Pro Leu Arg Lys Cys Arg Pro Gly Phe Gly Val Ala Arg Pro	
159	115 120 125 130	
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161	GGA ACT GAA ACA TCA GAC GTG GTG TGC AAG CCC TGT GCC CCG GGG ACG	591
162	Gly Thr Glu Thr Ser Asp Val Val Cys Lys Pro Cys Ala Pro Gly Thr	
163	135 140 145	
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165	TTC TCC AAC ACG ACT TCA TCC ACG GAT ATT TGC AGG CCC CAC CAG ATC	639
166	Phe Ser Asn Thr Ser Ser Thr Asp Ile Cys Arg Pro His Gln Ile	
167	150 155 160	
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169	TGT AAC GTG GTG GCC ATC CCT GGG AAT GCA AGC ATG GAT GCA GTC TGC	687
170	Cys Asn Val Val Ala Ile Pro Gly Asn Ala Ser Met Asp Ala Val Cys	
171	165 170 175	
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173	ACG TCC ACG TCC CCC ACC CGG AGT ATG GCC CCA GGG GCA GTA CAC TTA	735
174	Thr Ser Thr Ser Pro Thr Arg Ser Met Ala Pro Gly Ala Val His Leu	
175	180 185 190	
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177	CCC CAG CCA GTG TCC ACA CGA TCC CAA CAC ACG CAG CCA ACT CCA GAA	783
178	Pro Gln Pro Val Ser Thr Arg Ser Gln His Thr Gln Pro Thr Pro Glu	
179	195 200 205 210	
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181	CCC AGC ACT GCT CCA AGC ACC TCC TTC CTG CTC CCA ATG GGC CCC AGC	831
182	Pro Ser Thr Ala Pro Ser Thr Ser Phe Leu Leu Pro Met Gly Pro Ser	
183	215 220 225	
184		
185	CCC CCA GCT GAA GGG AGC ACT GGC GAC TTC GCT CTT CCA GTT GGA CTG	879
186	Pro Pro Ala Glu Gly Ser Thr Gly Asp Phe Ala Leu Pro Val Gly Leu	
187	230 235 240	
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189	ATT GTG GGT GTG ACA GCC TTG GGT CTA CTA ATA ATA GGA GTG GTG AAC	927
190	Ile Val Gly Val Thr Ala Leu Gly Leu Leu Ile Ile Gly Val Val Asn	
191	245 250 255	
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193	TGT GTC ATC ATG ACC CAG GTG AAA AAG AAG CCC TTG TGC CTG CAG AGA	975
194	Cys Val Ile Met Thr Gln Val Lys Lys Lys Pro Leu Cys Leu Gln Arg	
195	260 265 270	
196		
197	GAA GCC AAG GTG CCT CAC TTG CCT GCC GAT AAG GCC CGG GGT ACA CAG	1023
198	Glu Ala Lys Val Pro His Leu Pro Ala Asp Lys Ala Arg Gly Thr Gln	
199	275 280 285 290	
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201	GGC CCC GAG CAG CAG CAC CTG CTG ATC ACA GCG CCG AGC TCC AGC AGC	1071
202	Gly Pro Glu Gln Gln His Leu Leu Ile Thr Ala Pro Ser Ser Ser Ser	
203	295 300 305	
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205	AGC TCC CTG GAG AGC TCG GCC AGT GCG TTG GAC AGA AGG GCG CCC ACT	1119

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SEQUENCE VERIFICATION REPORT
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